

47571-P004D1-992776



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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Robert B. Foster, Jr. et al.

Serial No.: 09/434,832

Filed: November 5, 1999

Art Unit: 2739

Examiner: Unknown

For: SYSTEM AND METHOD FOR BROADBAND  
MILLIMETER WAVE DATA COMMUNICATION

Assistant Commissioner  
for Patents  
Washington, D.C. 20231

Dear Sir:

INFORMATION DISCLOSURE STATEMENT

Pursuant to Applicants' duty, under 37 C.F.R. §§ 1.56, 1.97 and 1.98, to disclose all relevant material, the Applicants list below the following references believed to be relevant to the subject matter of the above-identified application:

U.S. PATENT DOCUMENTS

<u>U.S. Patent No.</u>	<u>Issue Date</u>	<u>Inventors</u>
1. 4,633,463	December 30, 1986	Mack
2. 4,697,281	September 29, 1987	O'Sullivan
3. 4,747,160	May 24, 1988	Bossard
4. 5,095,535	March 10, 1992	Freeburg
5. 5,195,091	March 16, 1993	Farwell et al.
6. 5,245,610	September 14, 1993	Lindell
7. 5,295,178	March 15, 1994	Nickel et al.
8. 5,355,520	October 11, 1994	Freeburg et al.

9.	5,420,851	May 30, 1995	Seshadri et al.
10.	5,437,057	July 25, 1995	Richley et al.
11.	5,488,737	January 30, 1996	Harbin et al.
12.	5,509,028	April 16, 1996	Marque-Pucheu
13.	5,557,656	September 17, 1996	Ray et al.
14.	5,561,850	October 1, 1996	Mäkitalo et al.
15.	5,548,814	August 20, 1996	Lorang et al.
16.	5,564,121	October 8, 1996	Chow et al.
17.	5,677,928	October 14, 1997	Rizzo et al.
18.	5,768,254	June 16, 1998	Papadopoulos et al.

FOREIGN PATENT DOCUMENTS

	<u>Serial/Patent No.</u>	<u>Publication/Issue Date</u>	<u>Applicant</u>
1.	EP 0 332 825	September 20, 1989	Motorola, Inc.
2.	EP 0 458 158	November 27, 1991	Motorola, Inc.
3.	EP 0 720 405	July 3, 1996	AT&T Corp.
4.	EP 0 731 620	September 11, 1996	Roke Manor Research Limited
5.	WO 92/13398	August 6, 1992	Motorola, Inc.
6.	WO 95/17724	June 29, 1995	Norand Corporation

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OTHER DOCUMENTS

1. International Search Report, mailed July 30, 1998
2. "DMS Series (Digital Multipoint System) Next Generation Broadband Flexible Radio Access Network", Bosch Telecom Microwave Systems Product Group, Backnang, Germany
3. "DMS Series Broadband Access Radio System"
4. "Antenna Solutions for Point-To-Multipoint Radio Systems", H. Ansorge, M. Guttenberger, K.H. Mierzwiak, U. Oehler, H. Tell; Bosch Telecom GmbH, D-71522 Backnang, Germany
5. "Dynamic Bandwidth Allocation for FDMA Systems", Dr. Erich Auer; Bosch Telecom D-71522 Backnang, Germany
6. "Link Capacity and Cellular Planning Aspects for a Point to Multipoint Fixed Radio Access System", A. Bollmann, D. Cichon, M. Glauner, Bosch Telecom GmbH, D-71522 Backnang, Germany, IHE, Universität Karlsruhe (TH), D-76128 Karlsruhe, Germany
7. "DMS Series Digital Multipoint System Fixed Radio Access Systems, System Description", Issue 3, November 1995, Dr. Hans-Peter Petry, Bosch Telecom Microwave Systems Division, Backnang, Germany

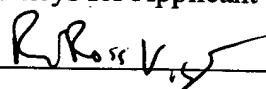
Applicants respectfully submit that the invention in the above-identified application is patentably distinguishable over the cited references known to Applicants and disclosed in the above Information Disclosure Statement.

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This Information Disclosure Statement is being filed within three months of the date of this national application or the date of entry of the national stage as set forth in § 1.491 in an international application or before the mailing date of the first Office Action on the merits, whichever event occurs last. 37 C.F.R. 1.97(b).

Respectfully submitted,

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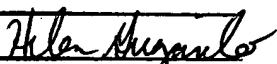
Tel. No. (214) 855-8185

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231.

Helen Guajardo

2-22-00

Signature



Name

2-22-00

Date of Signature

Form PTO-1449

Docket No. (Optional)  
47571-P004D1-992776Application Number  
09/434,832INFORMATION DISCLOSURE CITATION  
IN AN APPLICATIONApplicant:  
Robert B. Foster, Jr. et al.

(Use several sheets if necessary)

Filing Date:  
November 5, 1999Group Art Unit  
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FEB 22 2000  
GROUP 2700

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL										NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
4	6	3	3	4	6	3	12/30/86		Mack	370	95		
4	6	9	7	2	8	1	09/29/87		O'Sullivan	379	59		
4	7	4	7	1	6	0	05/24/88		Bossard	455	33		
5	0	9	5	5	3	5	03/10/92		Freeburg	455	278		
5	1	9	5	0	9	1	03/16/93		Farwell et al.	370	94.1		
5	2	4	5	6	1	0	09/14/93		Lindell	370	95.1		
5	2	9	5	1	7	8	03/15/94		Nickel et al.	379	58		
5	3	5	5	5	2	0	10/11/94		Freeburg et al.	455	53.1		
5	4	2	0	8	5	1	05/30/95		Seshadri et al.	370	29		
5	4	3	7	0	5	7	07/25/95		Richley et al.	455	41		
5	4	8	8	7	3	7	01/30/96		Harbin et al.	455	33.1		
5	5	0	9	0	2	8	04/16/96		Marque-Pucheu	375	211		
5	5	5	7	6	5	6	09/17/96		Ray et al.	379	59		
5	5	6	1	8	5	0	10/01/96		Mäkitalo et al.	455	52.3		
5	5	4	8	8	1	4	08/20/96		Lorang et al.	455	38.1		
5	5	6	4	1	2	1	10/08/96		Chow et al.	455	53.1		
5	6	7	7	9	2	8	10/14/97		Rizzo et al.	375	202		
5	7	6	8	2	5	4	06/16/98		Papadopoulos et al.	370	201		

## FOREIGN PATENT DOCUMENT(S)

						DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
										YES	NO
0	3	3	2	8	2	5	09/20/89	EPC	H04Q	7/04	
0	4	5	8	1	5	8	11/27/91	EPC	H04Q	7/04	
0	7	2	0	4	0	5	07/03/96	EPC	H04Q	7/36	
0	7	3	1	6	2	0	09/11/96	EPC	H04Q	7/24	
9	2	1	3	3	9	8	08/06/92	PCT	H04B	7/00	
9	5	1	7	7	2	4	06/29/95	PCT	G06F	13/00	

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		International Search Report, mailed July 30, 1998
	/	"DMS Series (Digital Multipoint System) Next Generation Broadband Flexible Radio Access Network", Bosch Telecom Microwave Systems Product Group, Backnang, Germany
	/	"DMS Series Broadband Access Radio System"
	/	"Antenna Solutions for Point-To-Multipoint Radio Systems", H. Ansorge, M. Guttenberger, K.H. Mierzwiak, U. Oehler, H. Tell; Bosch Telecom GmbH, D-71522 Backnang, Germany
	/	"Dynamic Bandwidth Allocation for FDMA Systems", Dr. Erich Auér; Bosch Telecom D-71522 Backnang, Germany
	/	"Link Capacity and Cellular Planning Aspects for a Point to Multipoint Fixed Radio Access System", A. Bollmann, D. Cichon, M. Glauner, Bosch Telecom GmbH, D-71522 Backnang, Germany, IHE, Universität Karlsruhe (TH), D-76128 Karlsruhe, Germany
		"DMS Series Digital Multipoint System Fixed Radio Access Systems, System Description", Issue 3, November 1995, Dr. Hans-Peter Petry, Bosch Telecom Microwave Systems Division, Backnang, Germany

EXAMINER	DATE CONSIDERED